



Chymostatin, ultrapure

A reversible serine protease inhibitor of α, β, γ, Δ-chymotrypsin. Also inhibits papain and many other cysteine proteases.

Cat. No.	Pk	Pack type
J584-5MG	5 mg	Glass bottle

NEW

Citrate 1,000 mg/l in water standard for ion chromatography

- Traceable to NIST
- Manufactured and tested in ISO Guide 34/ ISO17025 accredited facilities
- Supplied with certificate of analysis

Cat. No.	Pk	Pack type
84964.180	100 ml	Plastic bottle

Citric acid, anhydrous, powder Analar NORMAPUR®



Warning

CAS 77-92-9

HOC(COOH)(CH2COOH)2 M.W. 192.13 g/mol
Boiling Pt: 310 °C (1013 hPa) Melting Pt: 149-151 °C Density: 1,665 g/cm³ (18 °C, OECD 109)

Storage Temperature: Ambient REACh: 01-2119457026-42

Assay.....	Min. 99.8 %	Ignition residue (SO ₄).....	Passes test USP
Heavy metals (as Pb).....	Max. 1 ppm	C ₂ O ₄ (as C ₂ H ₂ O ₄).....	Max. 10 ppm
Cl (Chloride).....	Max. 5 ppm	SO ₄ (Sulphate).....	Max. 30 ppm
Al (Aluminium).....	Max. 0.2 ppm	As (Arsenic).....	Max. 1 ppm
Ba (Barium).....	Max. 1 ppm	Ca (Calcium).....	Max. 20 ppm
Cu (Copper).....	Max. 1 ppm	Fe (Iron).....	Max. 1 ppm
Hg (Mercury).....	Max. 1 ppm	Mg (Magnesium).....	Max. 1 ppm
Pb (Lead).....	Max. 0.5 ppm	Zn (Zinc).....	Max. 1 ppm

Cat. No.	Pk	Pack type
84841.290	1 kg	Plastic bottle for solids

Citric acid, anhydrous, powder Ph. Eur.



Warning

CAS 77-92-9

HOC(COOH)(CH2COOH)2 M.W. 192.13 g/mol
Boiling Pt: 310 °C (1013 hPa) Melting Pt: 149-151 °C Density: 1,665 g/cm³ (18 °C, OECD 109)

Storage Temperature: Ambient REACh: 01-2119457026-42

Not suitable for parenteral use

Assay (calculated on anhydrous).....	99.5 - 100.5 %
Appearance.....	Conforms (see CoA/CoS)
Identification B.....	Passes test
Appearance of solution.....	Passes test
Readily carbonisable substances.....	Passes test
Oxalic acid.....	Max. 360 ppm
SO ₄ (Sulphate).....	Max. 150 ppm
Heavy metals (as Pb).....	Max. 10 ppm
Water.....	Max. 1.0 %
Sulphated ash.....	Max. 0.1 %
Residual solvents.....	Unlikely by manuf.process

Cat. No.	Pk	Pack type
20282.293	1 kg	Plastic bottle for solids
20282.362	5 kg	Bucket (Plastic)
20282.464	25 kg	Bucket (Plastic)

Citric acid, anhydrous, powder GPR RECTAPUR®



Warning

CAS 77-92-9

HOC(COOH)(CH2COOH)2 M.W. 192.13 g/mol
Boiling Pt: 310 °C (1013 hPa) Melting Pt: 149-151 °C Density: 1,665 g/cm³ (18 °C, OECD 109)

Storage Temperature: Ambient REACh: 01-2119457026-42

Assay.....	Min. 99.5 %
Heavy metals (as Pb).....	Max. 10 ppm
Water.....	Max. 0.2 %
Pb (Lead).....	Max. 5 ppm

Cat. No.	Pk	Pack type
84842.290	1 kg	Plastic bottle for solids
84842.360	5 kg	Plastic bottle for solids

Citric acid monohydrate Analar NORMAPUR® ACS, USP, Reag.Ph.Eur analytical reagent



Warning

CAS 5949-29-1

HOC(COOH)(CH2COOH)2·H2O M.W. 210.14 g/mol
Melting Pt: 135-152 °C Density: 1,552 g/cm³ (20 °C)

Storage Temperature: Ambient

Assay.....	99.7 - 100.5 %	Identification (IR).....	Passes test
Readily carbonisable substances.....	Passes test	Heavy metals (as Pb).....	Max. 10 ppm
Ignition residue (SO ₄).....	Max. 0.02 %	Insolubility in water.....	Max. 50 ppm
Oxalic acid (calculated on anhydrous).....	Max. 360 ppm	Tartaric acid.....	Max. 0.2 %
Water.....	7.5 - 9.0 %	C ₂ O ₄ (as C ₂ H ₂ O ₄).....	Max. 0.04 %
Cl (Chloride).....	Max. 5 ppm	PO ₄ (Phosphate).....	Max. 10 ppm
SO ₄ (Sulphate).....	Max. 20 ppm	As (Arsenic).....	Max. 0.1 ppm
Ca (Calcium).....	Max. 20 ppm	Cu (Copper).....	Max. 5 ppm
Fe (Iron).....	Max. 3 ppm	Mg (Magnesium).....	Max. 5 ppm
Ni (Nickel).....	Max. 1 ppm	Pb (Lead).....	Max. 2 ppm
Conforms to ACS.....	Passes test	Conforms to Reag. Ph.Eur.....	Passes test
Conforms to Reag. USP.....	Passes test		

Cat. No.	Pk	Pack type
20276.235	250 g	Plastic bottle for solids
20276.292	1 kg	Plastic bottle for solids
20276.361	5 kg	Plastic bottle for solids
20276.460	25 kg	Cardboard carton

Citric acid monohydrate, powder Ph. Eur.



Warning

CAS 5949-29-1

HOC(COOH)(CH2COOH)2·H2O M.W. 210.14 g/mol
Melting Pt: 135-152 °C Density: 1,552 g/cm³ (20 °C)

Storage Temperature: Ambient

Not suitable for parenteral use

Assay (calculated on anhydrous).....	99.5 - 100.5 %
Appearance.....	Conforms (see CoA/CoS)
Identification B.....	Passes test
Appearance of solution.....	Passes test
Readily carbonisable substances.....	Passes test
Oxalic acid (calculated on anhydrous).....	Max. 360 ppm
SO ₄ (Sulphate).....	Max. 150 ppm
Heavy metals (as Pb).....	Max. 10 ppm
Water.....	7.5 - 9.0 %
Sulphated ash.....	Max. 0.1 %
Residual solvents.....	Unlikely by manuf.process

Cat. No.	Pk	Pack type
85514.290	1 kg	Plastic bottle for solids
85514.360	5 kg	Plastic bottle for solids
85514.460	25 kg	Bucket (Plastic)

Material	20276.292
Material description	Citric acid monohydrate
Grade	AnalaR NORMAPUR Reag. Ph.Eur., Reag. USP, ACS
CAS Number	5949-29-1
Molecular formula	C ₆ H ₈ O ₇ ·H ₂ O
Molecular mass	210.14

Characteristics	Specifications
Assay	99.7 - 100.5 %
Identification (IR)	Passes test
Readily carbonisable substances	Passes test
Heavy metals (as Pb)	≤ 10 ppm
Ignition residue (SO ₄)	≤ 0.02 %
Insolubility in water	≤ 50 ppm
Oxalic acid (calculated on anhydrous)	≤ 360 ppm
Tartaric acid	≤ 0.2 %
Water	7.5 - 9.0 %
C ₂ O ₄ (as C ₂ H ₂ O ₄)	≤ 0.04 %
Cl (Chloride)	≤ 5 ppm
PO ₄ (Phosphate)	≤ 10 ppm
SO ₄ (Sulphate)	≤ 20 ppm
As (Arsenic)	≤ 0.1 ppm
Ca (Calcium)	≤ 20 ppm
Cu (Copper)	≤ 5 ppm
Fe (Iron)	≤ 3 ppm
Mg (Magnesium)	≤ 5 ppm
Ni (Nickel)	≤ 1 ppm
Pb (Lead)	≤ 2 ppm
Conforms to ACS	Passes test
Conforms to Reag. Ph.Eur.	Passes test
Conforms to Reag. USP	Passes test



Product Specification

Signature

We certify that this batch conforms to the specifications listed above.

This document has been produced electronically and is valid without a signature.

Jessie Pijck, Head of Laboratory - Haasrode
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